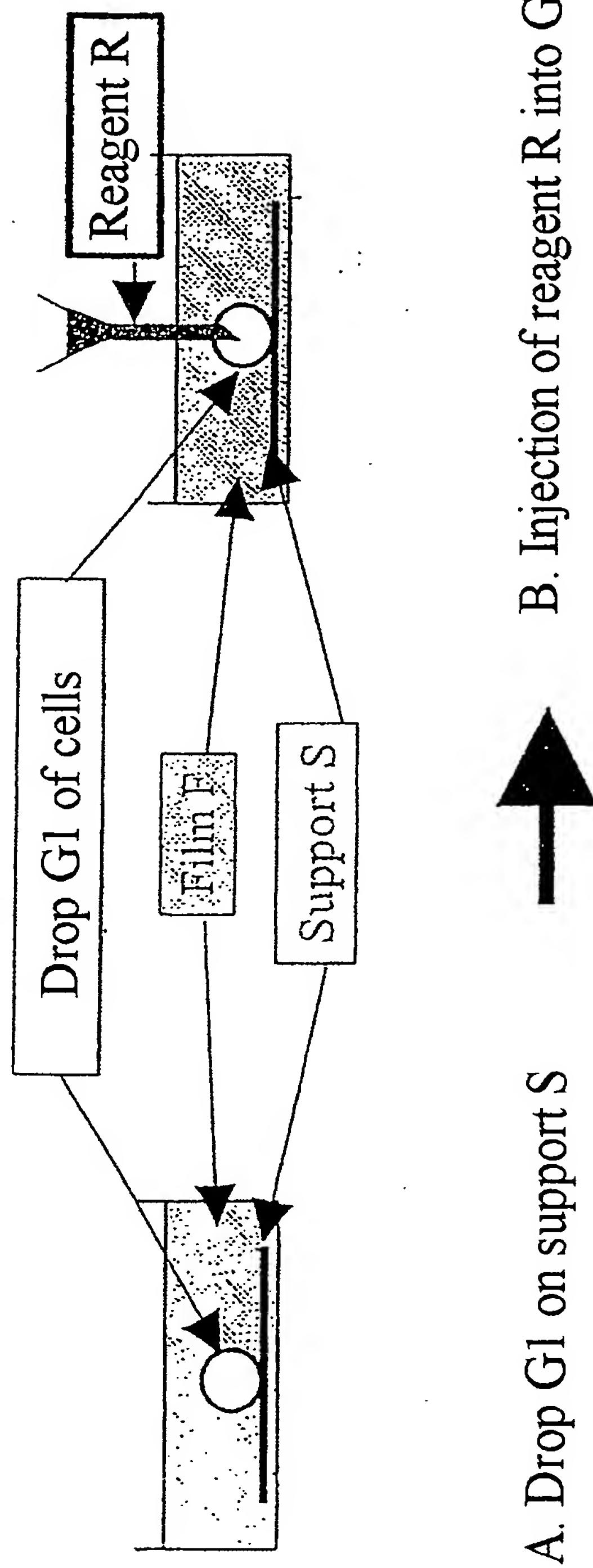


Figure 1: Transfection by injection of drops : R into G1



A. Drop G1 on support S

B. Injection of reagent R into G1

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Figure 2: Transfection by fusion of drops: G1 + R

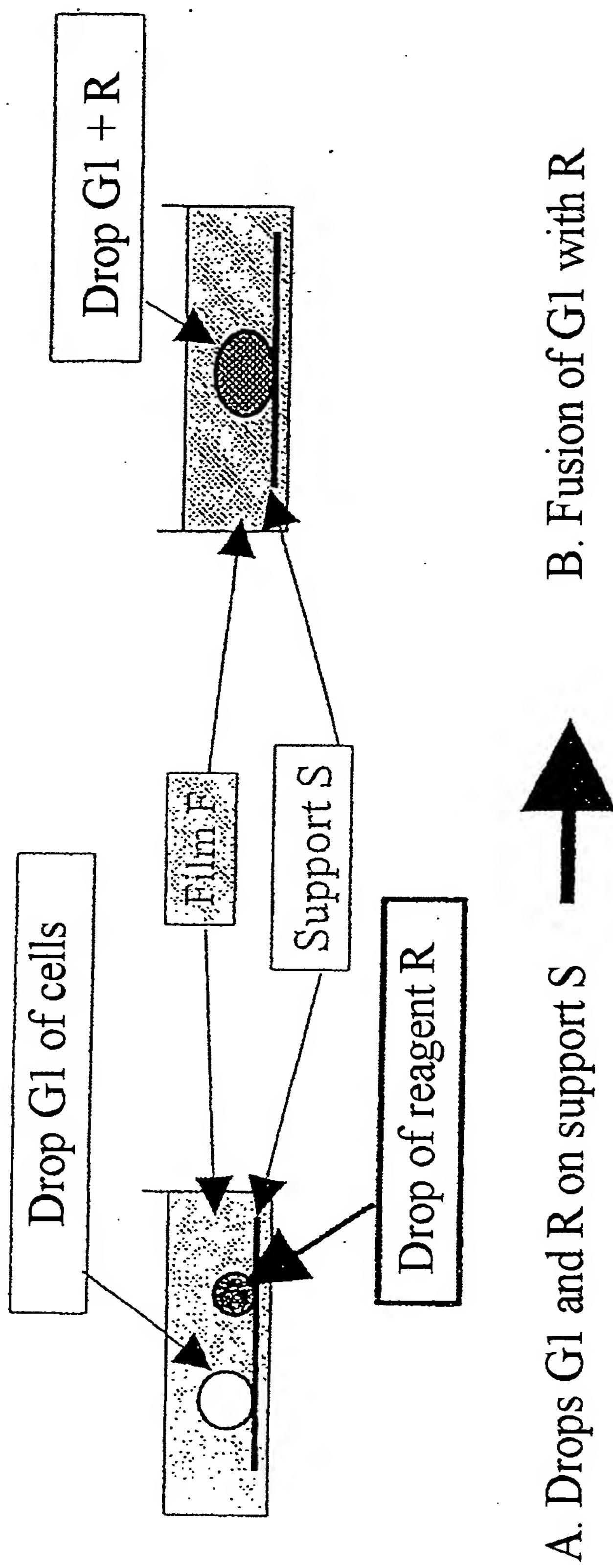


Figure 3: Transfection in drop G1 by detachment of reagent R

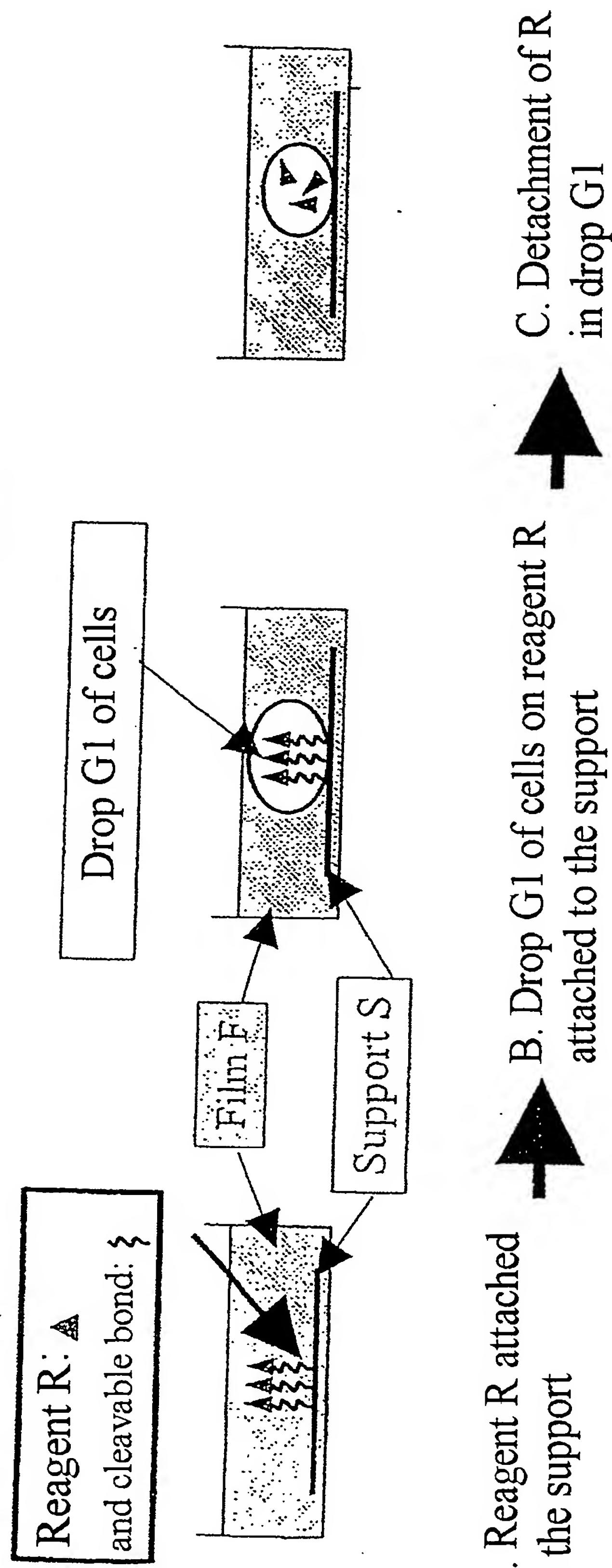


Figure 4: Fusion of cell drops G1+G2 after transfection
Example of the expression of a recombinant protein in a suspension of glial cells and of the activation of a suspension of neurones

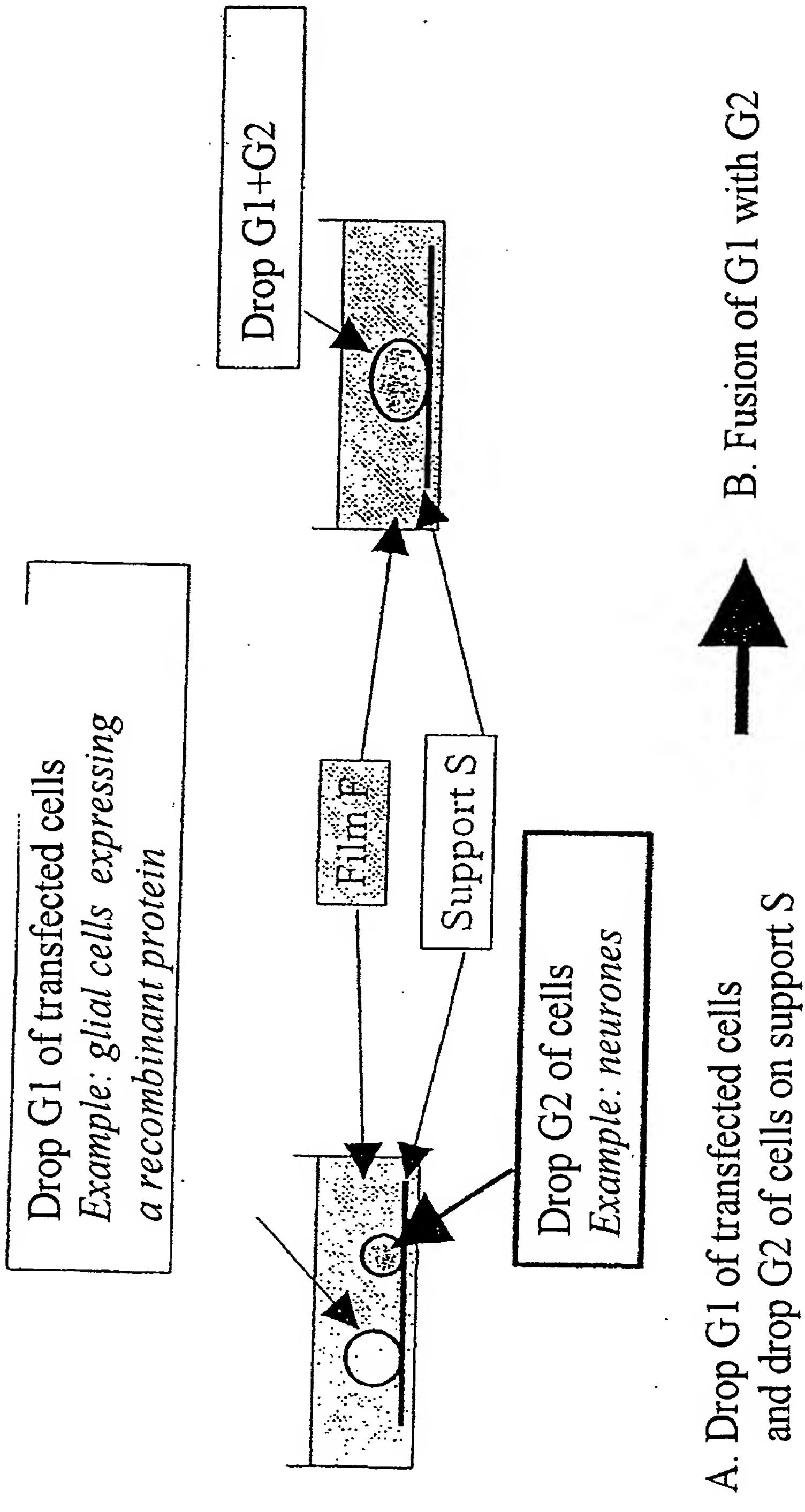
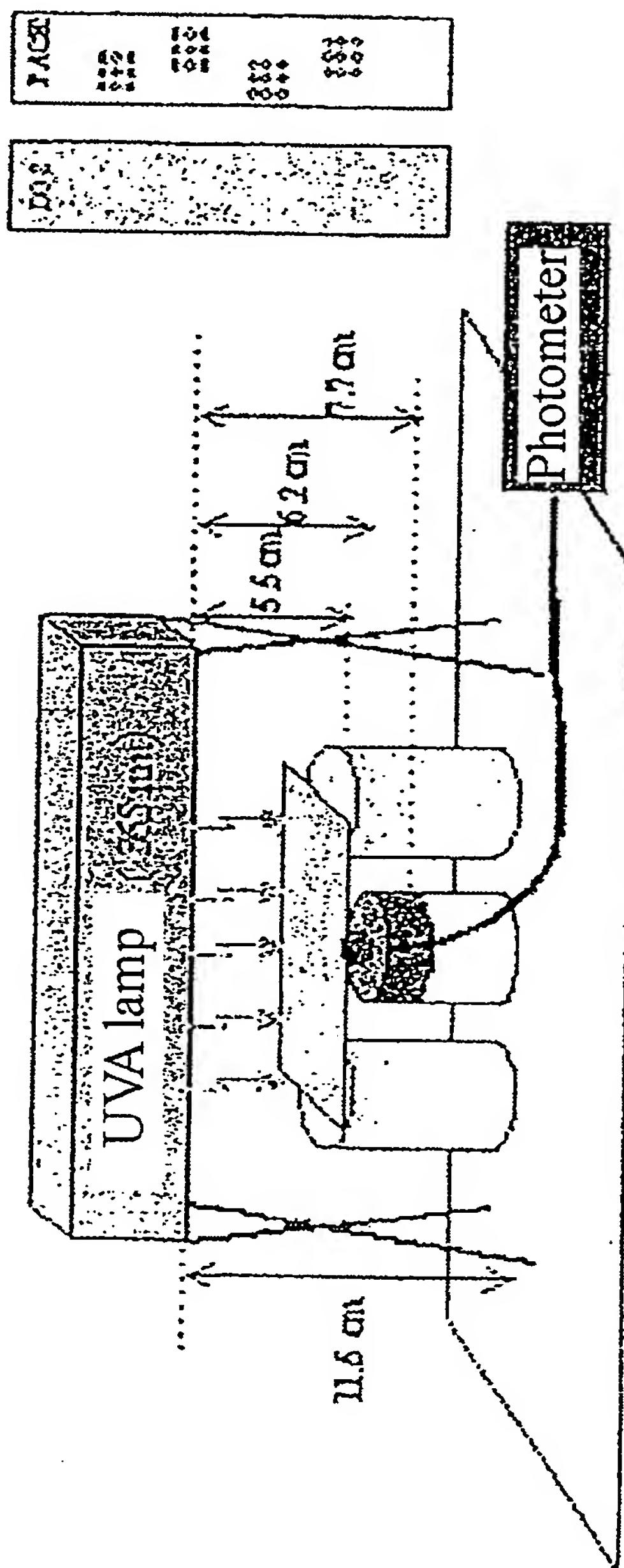


Figure 5: Photocleavage device



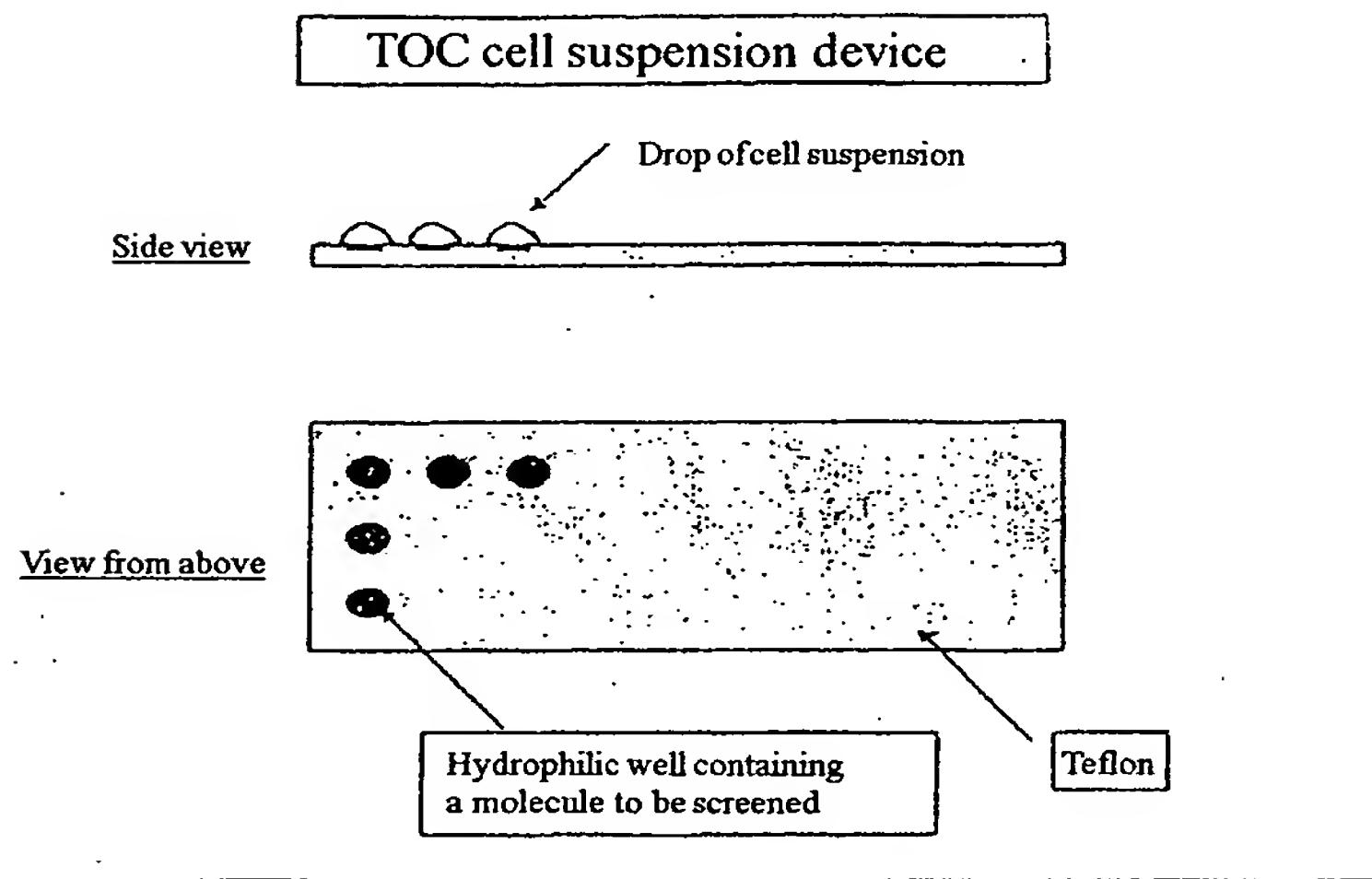


Figure 6

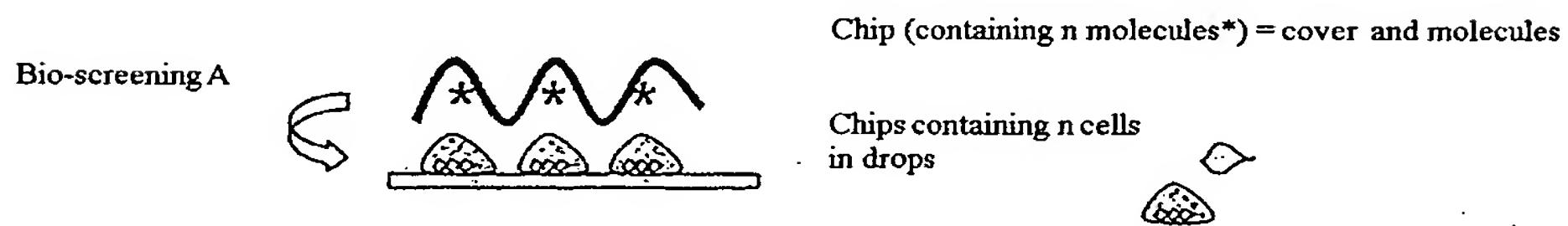
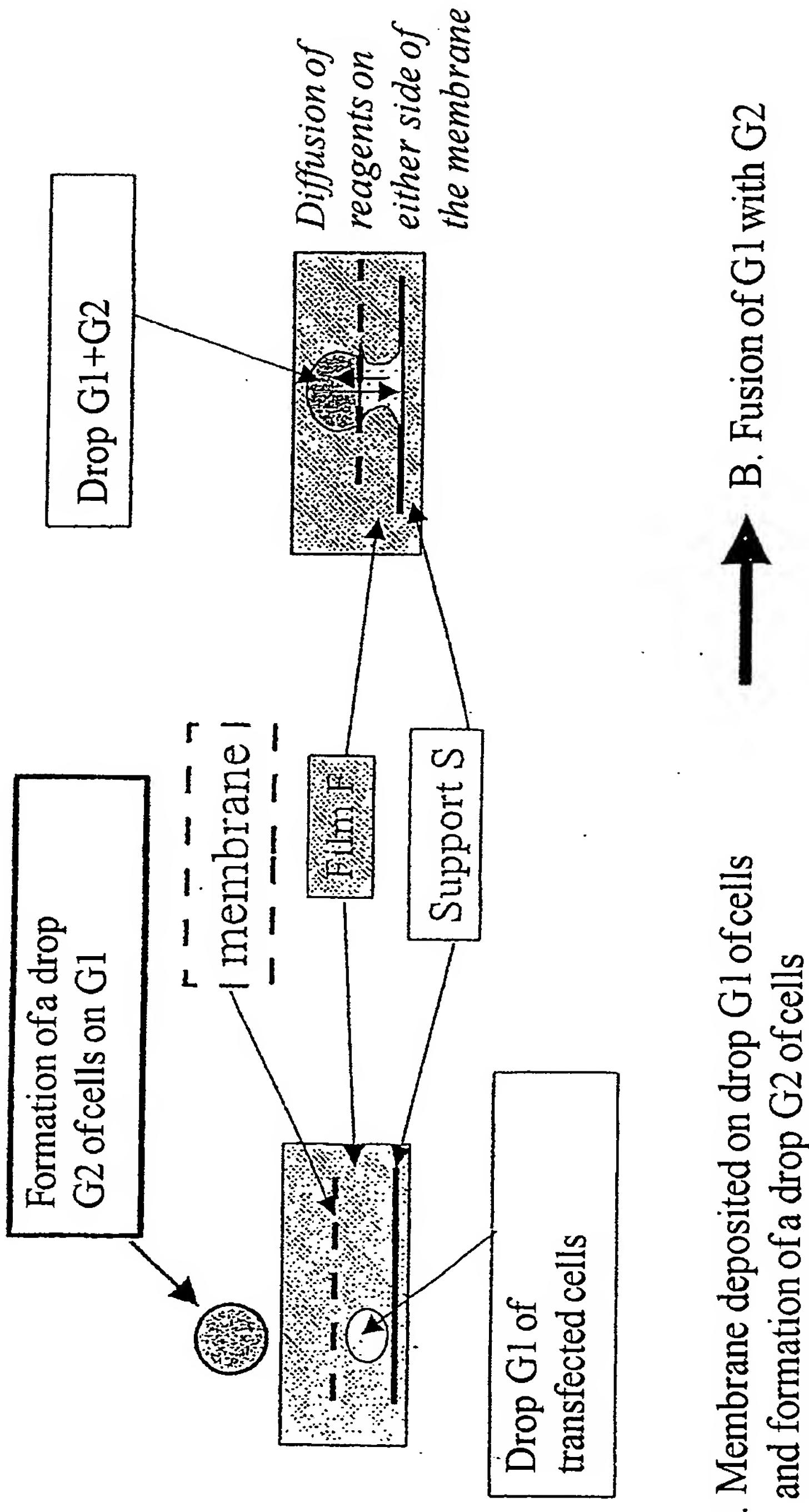


Figure 7

Figure 8: Membrane between two cell drops G1 and G2



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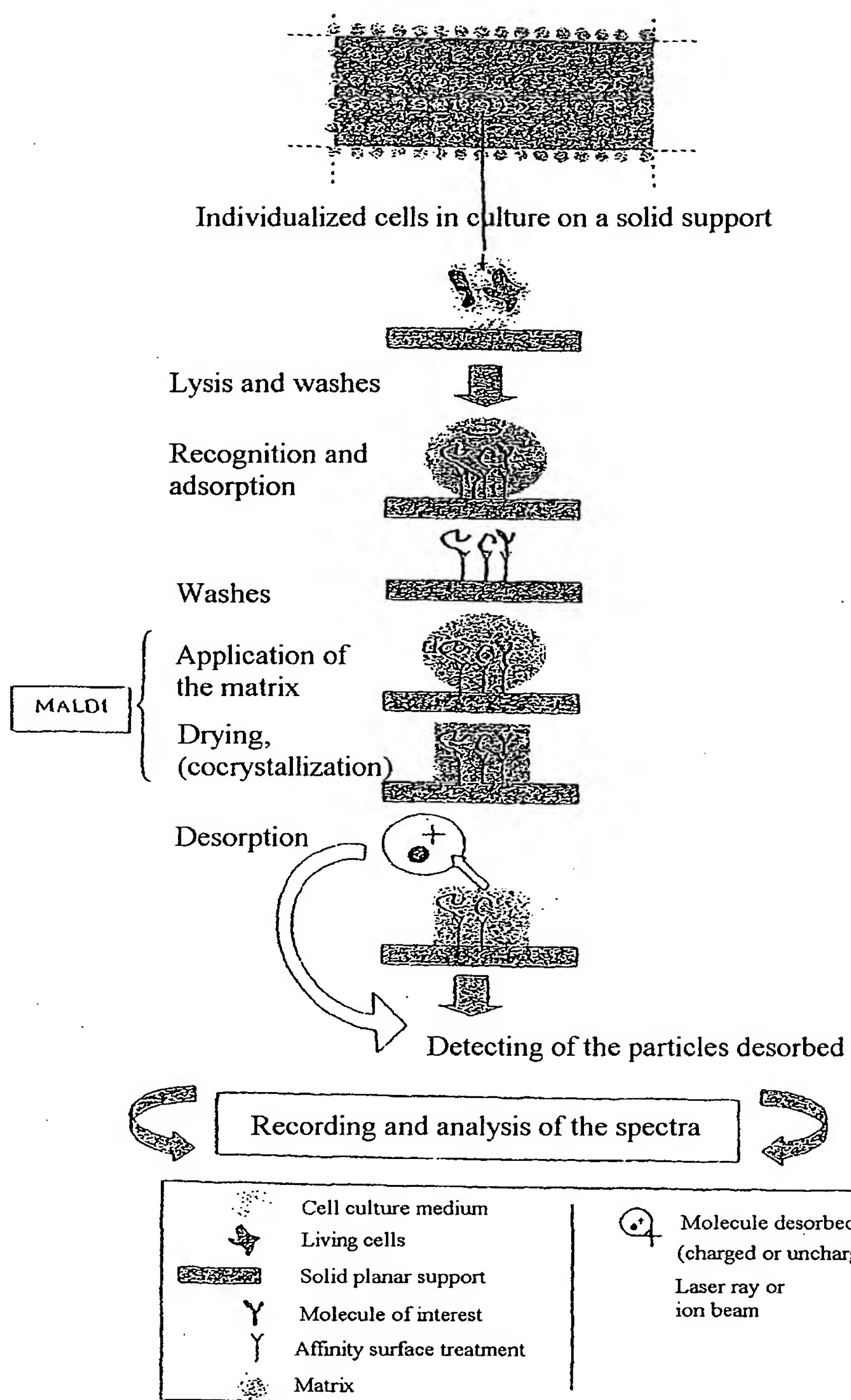


FIGURE 9

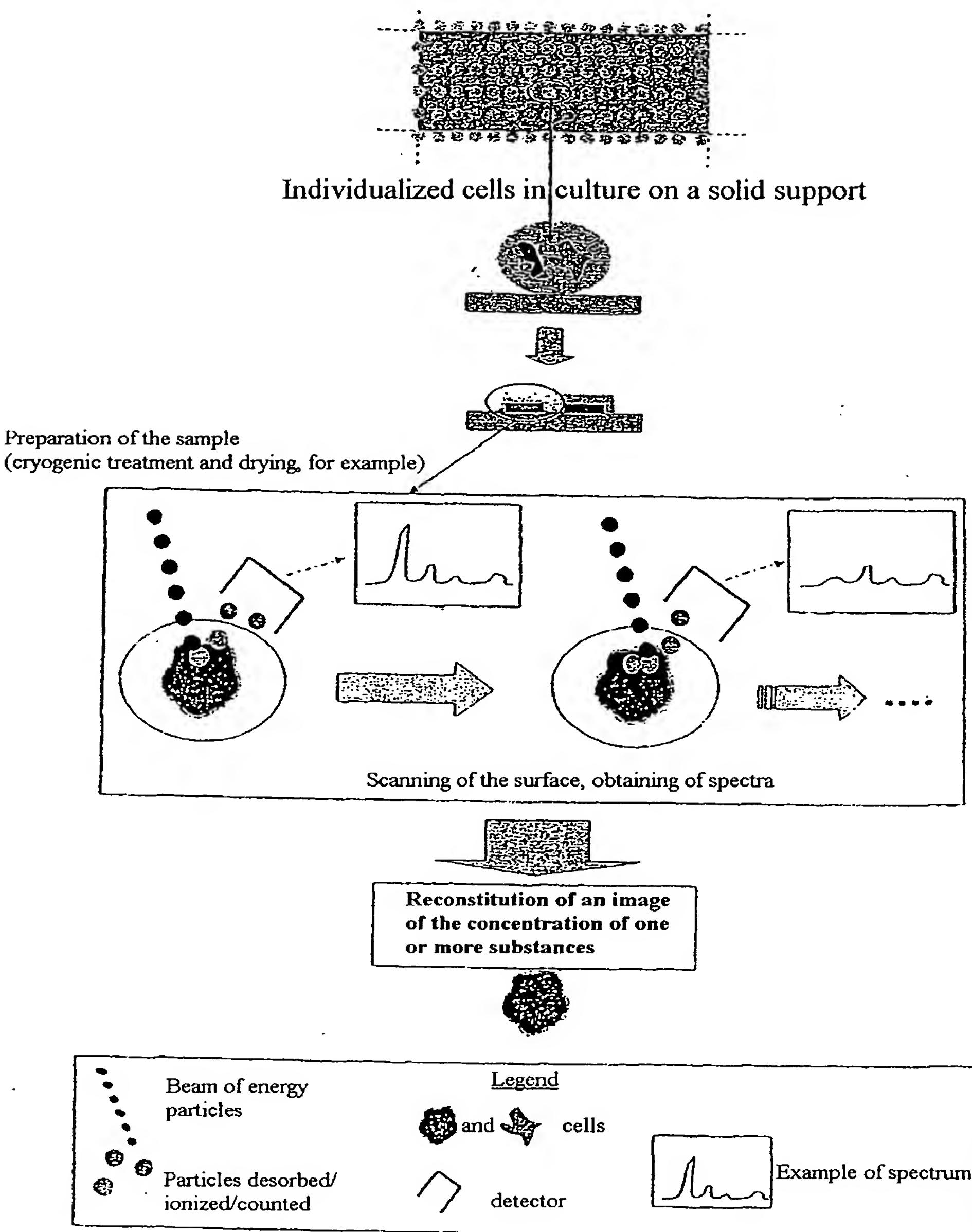


FIGURE 10

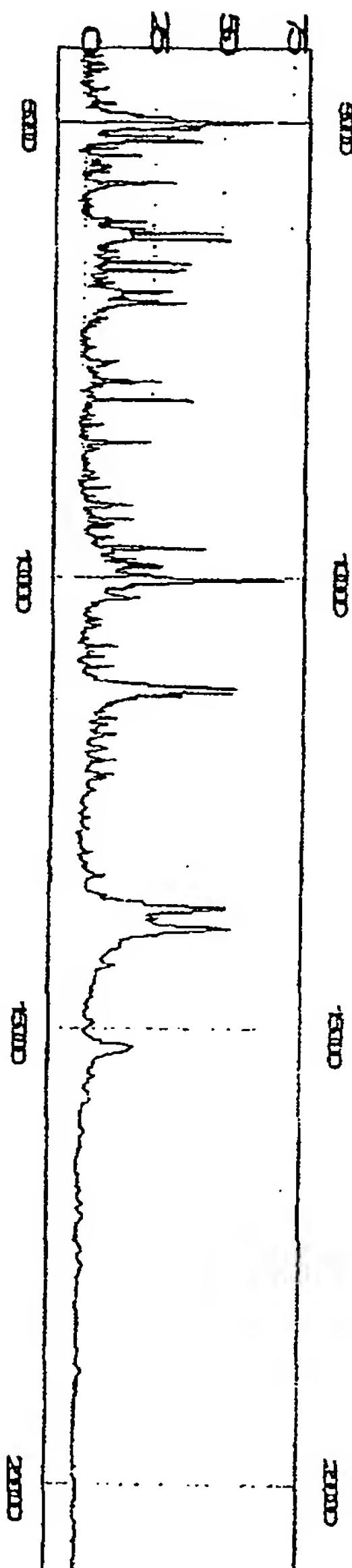


Figure 11: Example of a spectrum obtained without CDDP and without TNF. Along the x-axis is the mass to charge ratio in Daltons (Da); along the y-axis is the signal intensity (1.00 corresponds to the saturation of the detector).

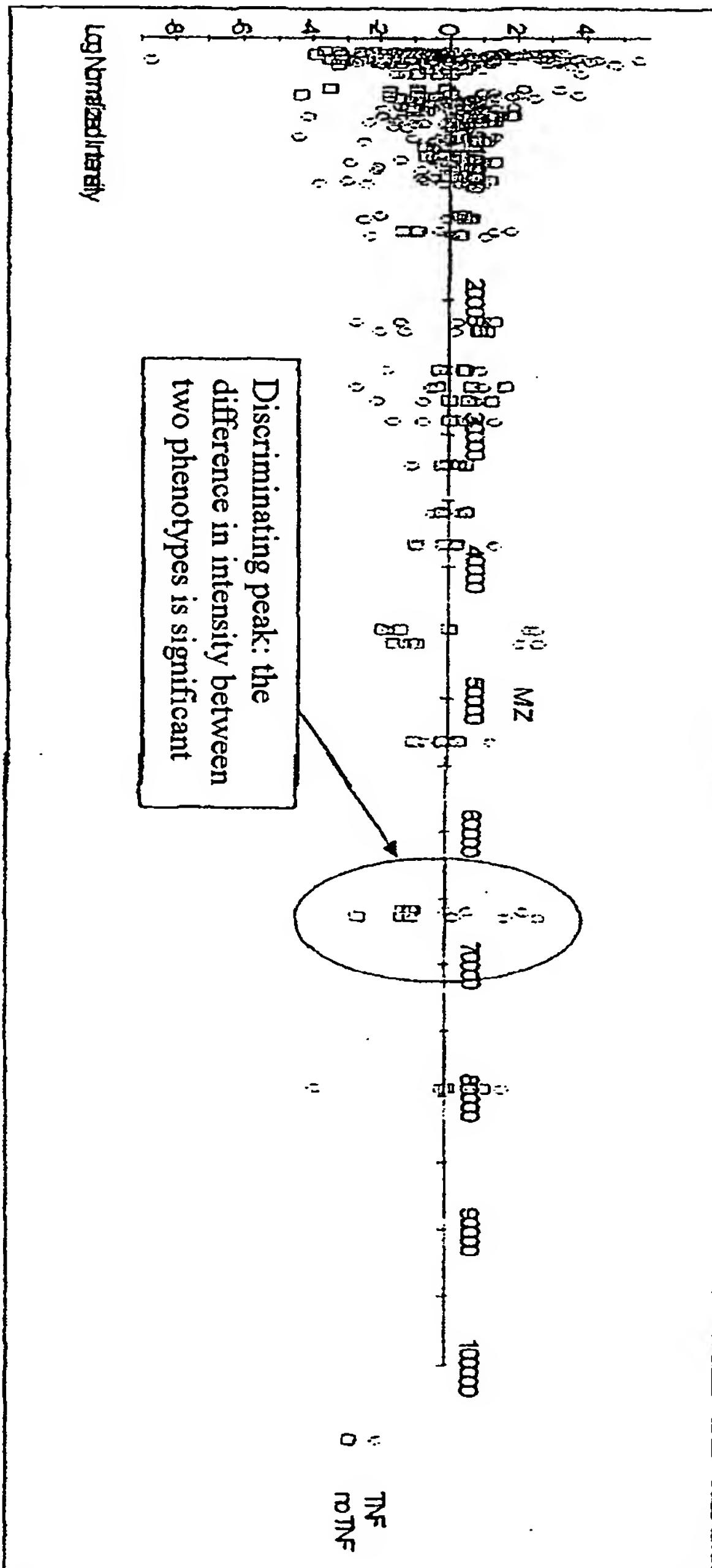


Figure 12: Representation of the differences between the spectra of the two phenotypes without TNF and with TNF

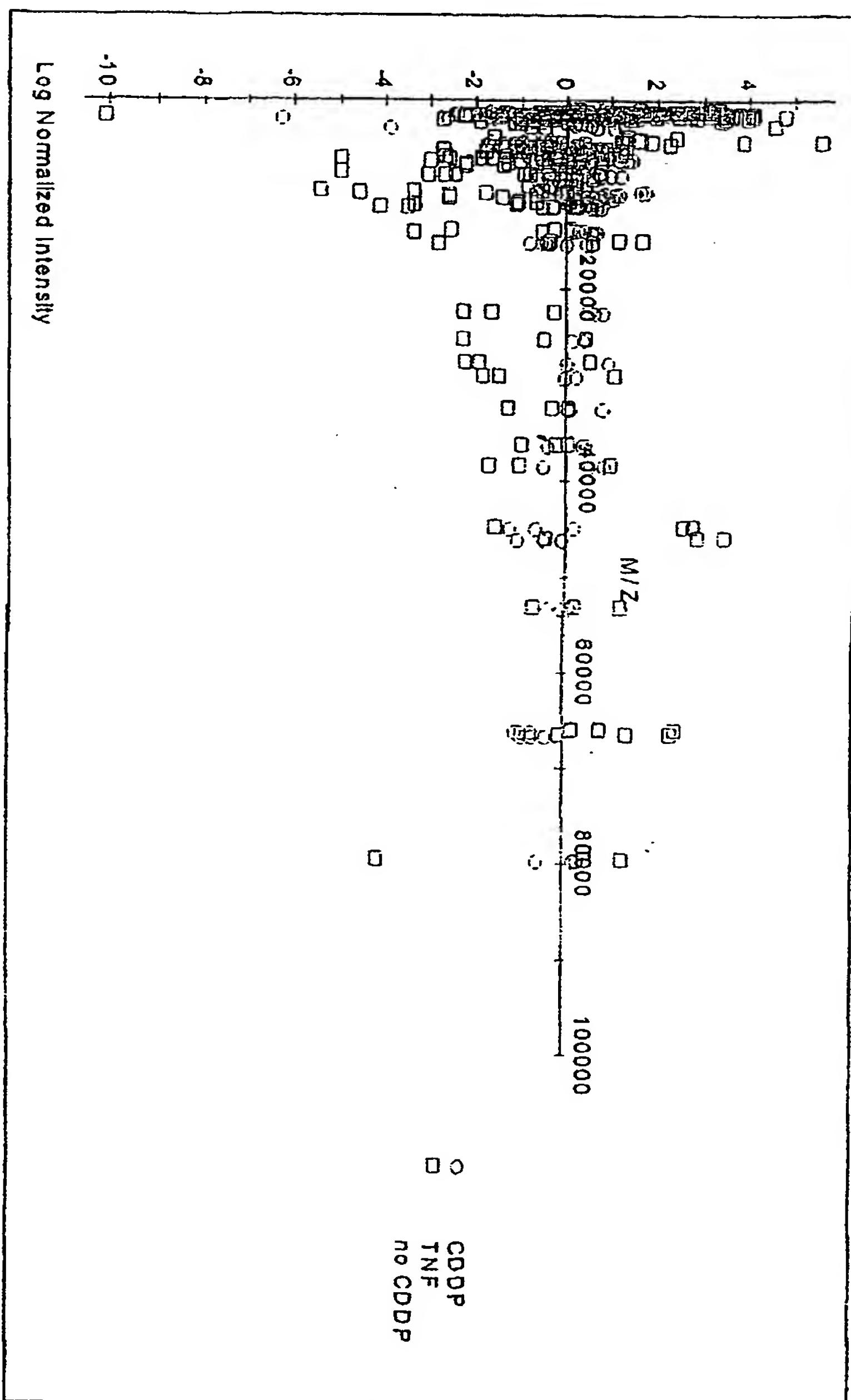


Figure 13: Representation of the differences between the spectra of the three phenotypes without TNF or CDDP, with TNF and with CDDP